

5' NCG AGC GGG ATC CAA ACT TCC GGT GCC TGC AGA GCT CGG AGC GGC GGA GGC AGA	9	18	27	36	45	54
	63	72	81	90	99	108
GAC CGA GGC TGC ACC GGC AGA GGC TGC GGG GCG GAC GCG CGG GCC GGC GCA GCC						
	117	126	135	144	153	162
ATG GTG AAG ATT AGC TTC CAG CCC GCC GTG GCT GGC ATC AAG GGC GAC AAG GCT.						
M - V K I S F Q P A V A G I K G D K A						
	171	180	189	198	207	216
GAC AAG GCG TCG GCG TCG GCC CCT GCG CCG GCC TCG GCC ACC GAG ATC CTG CTG						
D K A S A S A P A P A S A T E I L L						
	225	234	243	252	261	270
ACG CCG GCT AGG GAG GAG CAG CCC CCA CAA CAT CGA TCC AAG AGG GGC GGC TCA						
T P A R E E Q P P Q H R S K R G G S						
	279	288	297	306	315	324
GTG GGC GGC GTG TGC TAC CTG TCG ATG GGC ATG GTC GTG CTG CTC ATG GGC CTC						
V G G V C Y L S M G M V V L L L M G L						

FIGURE 1A

09265710.030999

GTG TTC GCC TCT GTC TAC ATC TAC AGA TAC TTC TTT CTT GCA CAG CTG GCC CGA	333	342	351	360	369	378
V F A S V Y I Y R Y F F L A Q L A R						
GAT AAC TTC TTC CGC TGT GGT GTG CTG TAT GAG GAC TCC CTG TCC TCC CAG GTC	387	396	405	414	423	432
D N F F R C G V L Y E D S L S S Q V						
CGG ACT CAG ATG GAG CTG GAA GAG GAT GTG AAA ATC TAC CTC GAC GAG AAC TAC	441	450	459	468	477	486
R T Q M E L E E D V K I Y L D E N Y						
GAG CGC ATC AAC GTG CCT GTG CCC CAG TTT GGC GGC GGT GAC CCT GCA GAC ATC	495	504	513	522	531	540
E R I N V P V P Q F G G G D P A D I						
ATC CAT GAC TTC CAG CGG GGT CTG ACT GCG TAC CAT GAT ATC TTG GAC AAG TGC	549	558	567	576	585	594
I H D F Q R G L T A Y H D I L D K C						
TAT GTC ATC GAA CTC AAC ACC ACC ATT GTG CTG CCC CCT CGC AAC TTC TGG GAG	603	612	621	630	639	648
Y V I E L N T T I V L P P R R N F W E						

FIGURE 1B

09265710 030999

CTC CTC ATG AAC GTG AAG AGG GGG ACC TAC CTG CCG CAG ACG TAC ATC CAG	657	666	675	684	693	702
L L M N V K R G T Y L P Q T Y I I Q						
GAG GAG ATG GTG GTC ACG GAG CAT GTC AGT GAC AAG GAG GCC CTG GGG TCC TTC	711	720	729	738	747	756
E E M V V T E H V S D K E A L G S F						
ATC TAC CAC CTG TGC AAC GGG AAA GAC ACC TAC CGG CTC CGG CGC GCA ACG	765	774	783	792	801	810
I Y H L C N G K D T Y R L R R A T						
CGG AGG CGG ATC AAC AAG CGT GGG GCC AAG AAC TGC AAT GCC ATC CGC CAC TTC	819	828	837	846	855	864
R R R I N K R G A K N C N A I R H F						
GAG AAC ACC TTC GTG GTG GAG ACG CTC ATC TGC GGG GTG GTG TGA GGC CCT CCT	873	882	891	900	909	918
E N T F V V E T L I C G V V						
CCC CCA GAA CCC CCT GCC GTG TTC CTC TTT TCT TCT TTC CGG CTG CTC TCT GGC	927	936	945	954	963	972

FIGURE 1C

	981	990	999	1008	1017	1026
CCT CCT CCT TCC CCC TGC TTA GCT TGT ACT TTG GAC GCG TTT CTA TAG AGG TGA						
P P P S P C L A C T L D A F L						

	1035	1044	1053	1062	1071	1080
CAT GTC TCT CCA TTC CTC TCC AAC CCT GCC CAC CTC CCT GTA CCA GAG CTG TGA						

	1089	1098	1107	1116	1125	1134
TCT CTC GGT GGG GGG CCC ATC TCT GCT GAC CTG GGT GTG GCG GAG GGA GAG GCC						

	1143	1152	1161	1170	1179
ATG CTG CAA AGT GTT TTC TGT GTC CCA CTG TCT TGA AGC TGG GCC TGC					

FIGURE 1D

1	MVKISFOPAVAGIKGDKADKASASAPAPASATEILLTTPAR	662708
1	MVKIAENTPTAVQKEE--ARQDIEALVSRRTVRAQILTGKE	GI 624778
41	EOPPQHRSKRGSGVGCYLSM-GMVLLMLGLVFAASYI	662708
39	LRVVPQEK----DGSSGRCLTLGLSFI LAGLIVGGACI	GI 624778
80	YRYFFLAQLARDNFFRCGLY--EDSLSSOVRTO--ME	662708
75	YKYF-----MPKSTIYHGEMCFDSED PVNSIPGGEPYFLP	GI 624778
114	LEEDVKIYLDENYERINVPVPQFGGGGDPADI IHDFORGLT	662708
111	VT E EADIR EDDNIAI IDVPVPS ESDSDPA AIIHDFEKGMT	GI 624778
154	AYHDIL-LDKCYVIELNTTIVLP PRNFWE LLMNVKRGTYLP	662708
151	AYLDLL LGNCYLMPLNTSIVMT PKNLVELFGKLASGKYLP	GI 624778
193	OTYIIQEE MVVT EHVSDKEALGSFIYHL CNGKDTYRLRR	662708
191	HTYVVR EDDLVAVE EIRDVSNLGI F IYQLC NNRKSFRLRR	GI 624778
233	ATRRRI NKRGAKN CNAIRHF ENTFFVVE T LICGVV	662708
231	DLLLGFNKRAIDKCKWKIRHFP NEFIVE TKICQE	GI 624778

FIGURE 2